



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

D3121-23

Job Sheet 202996



DAS
13
9-00

NOV 07 2019

Part No: D3121-23

Job Qty: 40 pcs

Part Name: Bearing



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 11/7/19

Job Tracking No:

Created By: Marie Lajeunesse

Due Date: 12/2/19

Description:

Type: Stock

Note: DWG REV E IPP A: 04.02.19 New Issue KJ/DS IPP Rev:B ECN 1060 07-11-12 DD verified by:EC
Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier	Sign off
					Setup Hrs	Run Hrs		
100	Purchasing	40 pcs	12/2/19	12/2/19	0.00	0.00	Purchasing - 1	NE NOV 13 2019
							Purchasing - 2	
							Purchasing - 3	
110	Packaging 2-1 - Receive - B4B	40 pcs	12/2/19	12/2/19	0.00	0.00	Packaging 2 - 1 - B4B	
							Packaging 2 - 2 - B4B	
							Packaging 2 - 3 - B4B	
							Packaging 2 - 5 - B4B	NE NOV 13 2019
							Packaging 2 - 4 - B4B	NOV 13 2019
							Packaging 2 - 6 - B4B	
							Packaging 2 - 7 - B4B	
							Packaging 2 - 8 - B4B	
							Packaging 2 - 9 - B4B	
							Packaging 2 - 10 - B4B	
							Packaging 2 - 11 - B4B	
							Packaging 2 - 12 - B4B	
							Packaging 2 - 13 - B4B	
							Packaging 2 - 14 - B4B	
							Packaging 2 - 15 - B4B	
							Packaging 2 - 16 - B4B	
							Packaging 2 - 17 - B4B	
							Packaging 2 - 18 - B4B	
							Packaging 2 - 19 - B4B	
							Packaging 2 - 20 - B4B	
							Packaging 2 - 21 - B4B	
							Packaging 2 - 22 - B4B	
							Packaging 2 - 23 - B4B	
							Packaging 2 - 24 - B4B	
							Packaging 2 - 25 - B4B	
							Packaging 2 - 26 - B4B	
							Packaging 2 - 27 - B4B	
							Packaging 2 - 28 - B4B	



1270 ABERDEEN STREET
HAWKESBURY, ON K6A 1K7
CANADA
TEL.: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Container No: S231396



Part: D3121-23

Job No: 202996

Serial No/Batch: S231396

Revision:

Inspector:

Exp Date:

Instructions: Various STC's

Date: 11/13/19

Plex 11/7/19 9:15 AM Dart.lajeunesse.marie

				Packaging 2 - 29 - B4B	
				Packaging 2 - 30 - B4B	
				Packaging 2 - 31 - B4B	
				Packaging 2 - 32 - B4B	
				Packaging 2 - 33 - B4B	
				Packaging 2 - 34 - B4B	
				Packaging 2 - 35 - B4B	
				Packaging 2 - 36 - B4B	
120 QC 6	40 pcs	12/2/19	0.00 0.00	QC 6 - 9	
				QC 6 - 68	JAN 08 2020 DAS 68
				QC 6 - 61	9-89
				QC 6 - 40	
				QC 6 - 81	
130 Packaging 3-1 - Stock - B4B	40 pcs 50 pcs	12/2/19	0.00 0.00	Packaging 3 - 1 - B4B	
				Packaging 3 - 2 - B4B	
				Packaging 3 - 3 - B4B ✓	STO18 DAS 80
				Packaging 3 - 4 - B4B	9-89
				Packaging 3 - 5 - B4B	JAN 10 2020
				Packaging 3 - 6 - B4B	JAN 10
				Packaging 3 - 7 - B4B	
				Packaging 3 - 8 - B4B	
				Packaging 3 - 9 - B4B	
				Packaging 3 - 10 - B4B	
				Packaging 3 - 11 - B4B	
				Packaging 3 - 12 - B4B	
				Packaging 3 - 13 - B4B	
				Packaging 3 - 14 - B4B	
				Packaging 3 - 15 - B4B	
				Packaging 3 - 16 - B4B	
				Packaging 3 - 17 - B4B	
				Packaging 3 - 18 - B4B	
				Packaging 3 - 19 - B4B	
				Packaging 3 - 20 - B4B	
				Packaging 3 - 21 - B4B	
				Packaging 3 - 22 - B4B	
				Packaging 3 - 23 - B4B	
				Packaging 3 - 24 - B4B	
				Packaging 3 - 25 - B4B	
				Packaging 3 - 26 - B4B	
				Packaging 3 - 27 - B4B	
				Packaging 3 - 28 - B4B	
				Packaging 3 - 29 - B4B	
				Packaging 3 - 30 - B4B	
				Packaging 3 - 31 - B4B	
				Packaging 3 - 32 - B4B	
				Packaging 3 - 33 - B4B	
				Packaging 3 - 34 - B4B	
				Packaging 3 - 35 - B4B	
				Packaging 3 - 36 - B4B	
140 QC 21 - SA	40 pcs 50	12/2/19	0.00 0.00	QC 21 - SA - 21 ✓	STO18 DAS 21 JAN 10 2020
				QC 21 - SA - 70	
				QC 21 - SA - 53	

Part Op 100 - Purchasing - Issue P/O: _____ Bearing as per Dwg D3121 Possible Supplier: SKF P/N: 61900-22 or KML

Descriptions: P/N: 6900-ZZ

110 - Receive & Inspect for Damage & Mat'l Certs - Ensure Material Release Note is attached

120 - QC6- All purchased or subcontracted products -vinspect dimensions as per Dwg D3121 and attached certification

Dwg Rev _____

130 - Identify as per dwg & Stock Location: _____

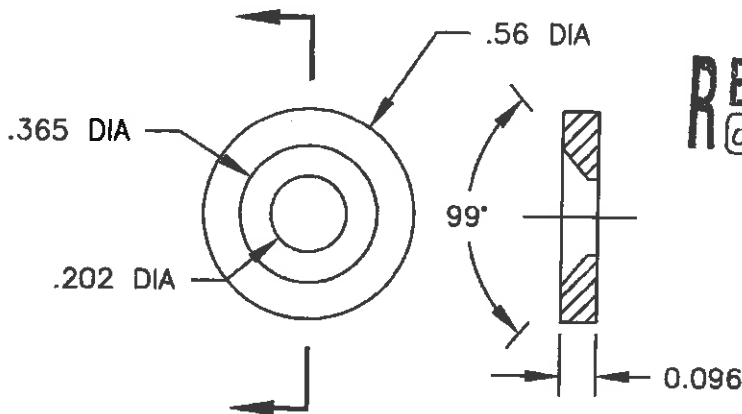
140 - QC21- Final Inspection - Work Order Release

Job BOM				
Part/ Item	Component Name	Quantity	Operation	Container
6900ZZ	Bearing D3121-23	40 pcs (1 ea)	100-Purchasing	S23/395
Job Allocations				
Operation	Component Part	Required	Inventory	Allocated
100-Purchasing	6900ZZ	40	0	0
Part Specifications				
Specifications could not be found.				

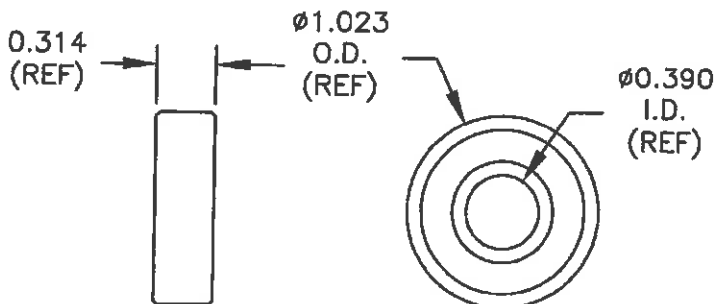
Plex 11/7/19 9:15 AM Dart.lajeunesse.marie

DART

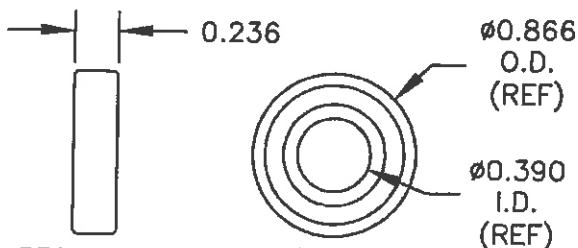
DESIGN #	DRAWN BY LE	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED #	APPROVED #	DRAWING NO. D3121	REV. E SHEET 10 OF 10
DATE 07.11.07	TITLE BRACKET ASSEMBLY		SCALE 1:1

**D3121-17 WASHER (SCALE 2:1)**

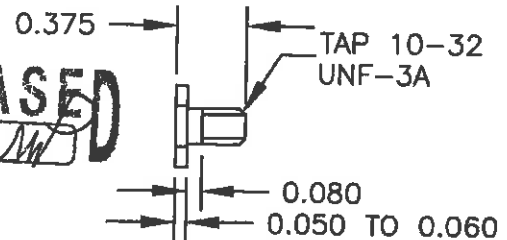
- 1) REPLACES PREMIER P/N B32-23001-17
- 2) MATERIAL: AISI 303 SS ROUND BAR, ANNEALED (REF DART SPEC. M303R)
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) ALL DIMENSIONS ARE IN INCHES
- 5) BREAK ALL SHARP EDGES 0.005 TO 0.015

**D3121-19 BEARING (SCALE 1:1)**

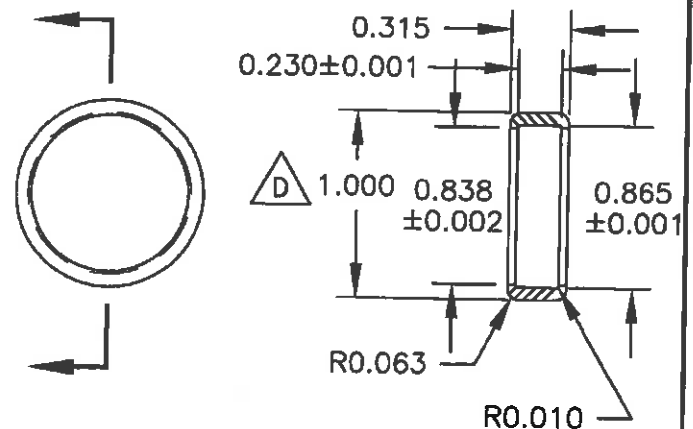
- 1) POSSIBLE SUPPLIER: KING BEARING P/N 6000-2ZJ/EM FAFNIR P/N 9100KDD
- 2) ALL DIMENSIONS ARE IN INCHES

**D3121-23 BEARING (SCALE 1:1)**

- 1) POSSIBLE SUPPLIER: SKF P/N 61900-ZZ OR KML P/N 6900-ZZ
- 2) ALL DIMENSIONS ARE IN INCHES

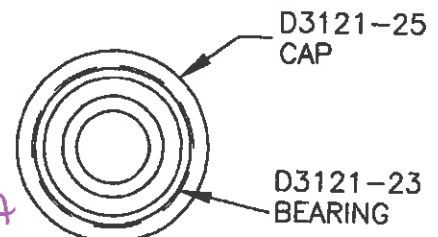
**D3121-21 BOLT (SCALE 1:1)**

- 1) MATERIAL: AISI 303 SS HEX, ANNEALED (REF DART SPEC. M303H0.500)
- 2) FINISH: NONE
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) ALL DIMENSIONS ARE IN INCHES
- 5) BREAK ALL SHARP EDGES 0.005 TO 0.015

**D3121-25 CAP (SCALE 1:1)**

- 1) MATERIAL: DELRIN ROD, Ø1.25 (REF DART SPEC. M-DELRIN-R1.250)
- 2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 3) ALL DIMENSIONS ARE IN INCHES

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
202956 H25
19-11-07

**D3121-241 BEARING ASSEMBLY (SCALE 1:1)**

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Entered: _____ Date: _____

WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. _____

Route update only ☐



Job: _____ Part No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐		DEPARTMENT/PROCESS Skid-tube ☐ Cross tube ☐ Eng. (Non-AW) ☐ Machining ☐ Small Fab ☐ Prod. Eng. Coord. ☐ Large Fab ☐ Finishing ☐ Rec/Store/Packaging ☐ Engineering ☐ Water Jet ☐ Supplier ☐ Quality ☐		MRB (QS1042)																													
Date : _____		Sequence #: _____		QTY Affected : _____		Disposition																													
Description Work Order Deviation				Completed By																															
				Lead hand / Supervisor																															
				QC / QA Coordinator																															
Root Cause Operator ☐ Manufacturing Process ☐ Equip/Tooling ☐ Handling/Preservation ☐ Material ☐ Product Improvement ☐ Process Improvement ☐ Human Factors ☐		FAULT CATEGORY <table border="1"> <tr> <td>Pressure/Forced</td> <td>Contamination</td> <td>Power Loss/Surge</td> <td>Positioned Wrong</td> </tr> <tr> <td>Bending</td> <td>Misaligned/off center</td> <td>Folio/Program</td> <td>Outside Tolerance</td> </tr> <tr> <td>Crushing</td> <td>BOM/Route</td> <td>Grain Direction</td> <td>Drawing</td> </tr> <tr> <td>Cracks</td> <td>Broken/Damage/Defect</td> <td>Weld</td> <td>Finish</td> </tr> <tr> <td>Crimp/Kink/Ripple/Wave/Twist</td> <td>Incomplete/Unclear Instructions</td> <td>Wrong Stock Pulled</td> <td>Part Lost/Missing</td> </tr> <tr> <td>Marks/Chatter</td> <td>Drill Holes</td> <td>Out of Sequence</td> <td>Misread</td> </tr> <tr> <td>Mislabeled</td> <td>Fit/Function</td> <td>Off-set/Set-up</td> <td></td> </tr> </table>						Pressure/Forced	Contamination	Power Loss/Surge	Positioned Wrong	Bending	Misaligned/off center	Folio/Program	Outside Tolerance	Crushing	BOM/Route	Grain Direction	Drawing	Cracks	Broken/Damage/Defect	Weld	Finish	Crimp/Kink/Ripple/Wave/Twist	Incomplete/Unclear Instructions	Wrong Stock Pulled	Part Lost/Missing	Marks/Chatter	Drill Holes	Out of Sequence	Misread	Mislabeled	Fit/Function	Off-set/Set-up	
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		Other/Details:																																	



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

POHB045046



Supplier: MAI001-VC
Main Industrial Sales Ltd.
1475, Tessier
Hawkesbury
ON
K6A 3S6 Canada
Phone: 613 632 3595
Fax: 613 632 0262

Attention: Bourgon, Rachelle

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: POHB045046

PO Date: 11/8/19

Due Date: 11/18/19

**Purchase Order
Revision:**

Revision Date:

Ship-To Contact: Lavoie, Chantal
Phone: 613-623-5200 Ext: 242
Fax: 613-632-1053
clavoie@dartaero.com

NOV 08 2019

Via: Ground

Pymt Terms: Net 60

Freight Terms:

Special Comments:

Items													
Line Item	Job	Part	Drawing	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	202996	6900ZZ		69002ZKML	Bearing D3121-23 : AS PER DWG D3121 REV.E	Firmed X50	-	11/18/19	50 pcs	0 pcs	50 pcs	\$1.72/pcs	\$86.00
												NOV 13 2019	
2	203055	6800ZZ		68002ZKML	Bearing D3183-5 : AS PER DWG D3183 REV.C	Firmed X50	-	11/18/19	50 pcs	0 pcs	50 pcs	\$1.58/pcs	\$79.00
												NOV 13 2019	
3	203053	PFS-FW14S1		0-14FWSS	Washer D2529 : AS PER DWG D2529 REV.E	Firmed X500	-	11/18/19	500 Ea	0 Ea	500 Ea	\$0.041/Ea	\$20.50
												NOV 13 2019	
4	203054	PFS-LNSCC14P			Locknut D3014-1 : AS PER DWG D3014 REV.A	Firmed X25	-	11/18/19	25 Ea	0 Ea	25 Ea	\$0.0477/Ea	\$1.19
												NOV 13 2019	
5		7/16WC			Washer, SS Flat 7/16	Firmed X183	-	11/18/19	500 Ea	0 Ea	500 Ea	\$0.094/Ea	\$47.00
												NOV 13 2019	
Grand Total:													\$233.69

Plex 11/8/19 10:56 AM Dart.Lavoie.Chantal



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

POHB045046



Order Notes

Procurement Quality Clauses

A005 RIGHT OF ENTRY
A016 PERSONNEL QUALIFICATION
A026 CERTIFICATION OF MATERIAL CONFORMANCE
A032 DOCUMENT SPECIAL REQUIREMENTS
A033 STATEMENT OF CONFORMITY/TEST RECORDS FOR NAS, AN and MS FASTENERS
A040 NOTIFICATION OF QUALITY ESCAPE
A041 QUALITY MANAGEMENT SYSTEM
A042 DART NOTIFICATION BY SUPPLIER
A043 RETENTION OF QUALITY DOCUMENTS

A048 COUNTERFEIT PARTS AVOIDANCE, DETECTION, MITIGATION AND DISPOSITION PROGRAM

A049 SUPPLIER AWARENESS

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 11/8/19 10:56 AM Dart.Lavole.Chantal

CERTIFICATE OF COMPLIANCE

RE: 6800-ZZ BEARING

To Whom It May Concern:

Our bearing rings and balls are made of high carbon chromium steel GCr15 which has a chemical composition equivalent to SAE 52100. The hardness of bearing rings is HRC 59-64 and HRC 60-65 for steel balls. Unless specify, bearings are 25-30% filled with Alvania No. 2 grease or Chevron SRI#2 grease or equivalent.

Stella Fan

Phone: 905-629-4255

Fax: 905-629-2358

The logo for SMART SUPPLIES features the word "SMART" in a bold, sans-serif font above the word "SUPPLIES" in a similar font. Above the letter "O" in "SMART", there is a stylized graphic consisting of three curved lines that resemble a fan or a stylized letter "S".

CERTIFICATE OF COMPLIANCE

RE: 6900-ZZ BEARING

To Whom It May Concern:

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Stella Fan
Phone: 905-629-4255
Fax: 905-629-2358

**SMART
SUPPLIES**

DAS
68
9-88

MAIN INDUSTRIAL SALES LTD.

1475 TESSIER ST.
HAWKESBURY ON K6A 3S6
Phone: (613) 632-3595 Ext. Fax: (613) 632-0262
sales@mainindustrialsales.com

Packing Slip

DATE November 11, 2019

NUMBER 0000242568

CUSTOMER NO. DART

NOV 11 2019

BILL TO:

DART AEROSPACE LTD.
1270 ABERDEEN ST.
HAWKESBURY ON K6A 1K7

SHIP TO:

DART AEROSPACE LTD.
1270 ABERDEEN ST.
HAWKESBURY ON K6A 1K7

(613) 632-5200 Ext.

(613) 632-5200 Ext.

P.O. NUMBER	SALESPERSON	ORDER DATE	REQ. DATE	ORDER NUMBER
HB045046	EB	11-Nov-19		0000242568
F.O.B.	SHIP VIA	TERMS		
F.O.B. value	OUR TRUCK / LOCAL	NET 30 DAYS		
PART NUMBER DESCRIPTION	LOCATION	UOM	QUANTITY REQ. SHIPPED B.O.	
0-69002ZKML KML BALL BEARING YOUR PART #: 69002ZKML	6D6	EA	50 50	12
0-68002ZKML BALL BEARING YOUR PART #: 68002ZKML	6D6	EA	50 50	12
0-14FWSS 1/4 x 5/8 x .045 18-8 FLAT WASHER YOUR PART #: PFS-FW14S1	26A6	EA	500 500	12
13-14CSLN 1/4-20 TYPE C STOVER LOCKNUT YOUR PART #: PFS-LNSCC14P	23B0	EA	25 25	12
0-716FWSS 7/16 FLAT WASHER STAINLESS YOUR PART #: 7/16WC	26A6	EA	500 182	318 12
CERTIFICATE OF COMPLIANCE THIS IS TO CERTIFY THAT THE ABOVE ITEMS WERE SUPPLIED IN ACCORDANCE WITH THE DESCRIPTION ON YOUR PO. YOUR ORDER IS SUBJECT ONLY TO OUR TERMS AND CONDITIONS, THE SALES DEPARTMENT AT MAIN INDUSTRIAL SALES. ERIC BOURGON				